

Water-Data Report 2008

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ

BARNEGAT BAY

LOCATION.--Lat 39°39'14", long 74°11'09" referenced to North American Datum of 1983, Ship Bottom Borough, Ocean County, NJ, Hydrologic Unit 02040301, on south side of bridge carrying State Route 72 across East Thorofare (Manahawkin Bay) between Bonnet Island and Long Beach Island, 2.0 mi southeast of Bayside, 9.0 mi southwest of Barnegat Inlet, and 11.5 mi northeast of Little Egg Inlet.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, July 1997 to May 5, 2000. Continuous-record tide gage, May 5, 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.25 ft. To determine approximate elevations to Mean Lower Low Water datum, add 0.64 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record on short portions of days. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (---) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 3.52 ft, Oct 25, 2005; minimum elevation recorded, -2.27 ft, Nov 14, 2003, although a lower tide likely occurred during period of missing record on Feb 16, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 2.95 ft, May 12; minimum elevation recorded, -1.92 ft, Dec 17 and Feb 12.

Statistics of Tide Elevations, in feet
Water Year October 2007 to September 2008

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	1.12	0.37	-0.35
November	0.86	0.12	-0.59
December	0.69	-0.05	-0.74
CALENDAR YEAR 2007	0.81	0.07	-0.64
January	0.62	-0.10	-0.79
February	0.56	-0.16	-0.86
March	0.68	-0.04	-0.73
April	1.00	0.25	-0.48
May	1.30	0.55	-0.19
June	1.00	0.26	-0.44
July	0.95	0.19	-0.50
August	1.13	0.37	-0.36
September	1.25	0.50	-0.23
WATER YEAR 2008	0.93	0.19	-0.52

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	October			November			December			January		
1	1.34	0.33	-0.52	0.90	-0.02	-0.80	-0.25	-0.87	-1.56	0.59	-0.09	-0.61
2	1.29	0.32	-0.50	1.26	0.25	-0.67	0.39	-0.53	-1.15	0.34	-0.43	-0.88
3	1.18	0.29	-0.49	2.49	1.52	0.04	0.83	-0.04	-0.15	0.20	-0.57	-1.17
4	1.05	0.23	-0.47	1.52	0.62	-0.15	-0.39	-0.98	-1.34	0.39	-0.65	-1.34
5	0.93	0.10	-0.56	0.73	-0.04	-0.77	0.27	-0.66	-1.75	-0.24	-0.98	-1.64
6	0.94	0.07	-0.63	1.39	0.37	-0.45	0.94	-0.04	-0.80	0.28	-0.57	-1.50
7	1.35	0.23	-0.53	0.60	-0.14	-0.79	0.74	-0.24	-0.93	0.90	-0.18	-1.02
8	1.27	0.53	-0.18	0.92	0.00	-0.86	0.55	-0.43	-1.07	0.84	-0.23	-1.01
9	1.87	0.69	-0.26	1.16	0.20	-0.62	0.53	-0.49	-1.25	0.91	-0.18	-1.02
10	2.04	1.18	0.37	1.64	0.64	-0.39	0.96	-0.15	-1.03	0.67	-0.35	-1.10
11	2.02	1.20	0.27	1.63	0.64	-0.12	1.03	-0.06	-0.82	1.21	0.07	-0.94
12	1.85	0.87	-0.03	1.02	0.09	-0.66	0.70	-0.34	-0.99	1.15	0.18	-0.56
13	1.38	0.46	-0.30	1.01	-0.03	-0.77	0.87	-0.20	-1.20	1.21	0.28	-0.53
14	1.12	0.23	-0.49	1.09	0.09	-0.69	1.35	0.33	-0.50	1.75	0.92	0.07
15	1.02	0.11	-0.58	1.42	0.22	-0.47	0.92	-0.07	-0.80	1.41	0.47	-0.52
16	0.93	0.02	-0.69	0.58	-0.28	-1.17	2.77	1.47	0.51	0.82	-0.23	-1.21
17	1.02	0.12	-0.56	0.17	-0.69	-1.32	1.03	-0.55	-1.92	0.74	-0.06	-0.65
18	1.10	0.16	-0.53	0.82	-0.23	-0.95	-0.27	-1.08	-1.68	1.81	0.48	-0.07
19	1.41	0.47	-0.26	1.15	0.34	-0.30	0.48	-0.31	-0.91	0.70	-0.20	-0.90
20	1.28	0.50	-0.09	1.18	0.38	-0.32	1.11	0.09	-0.91	1.14	-0.09	-0.95
21	0.69	-0.09	-0.77	1.20	0.36	-0.55	1.62	0.66	-0.82	0.34	-0.65	-1.36
22	0.74	-0.11	-0.79	1.64	0.60	-0.41	2.07	0.92	0.08	0.53	-0.58	-1.45
23	1.03	0.10	-0.77	1.44	0.30	-0.49	1.85	e0.7	-0.33	0.73	-0.40	-1.27
24	1.23	0.27	-0.52	1.28	0.04	-0.84	1.61	0.36	-0.51	0.88	-0.18	-1.18
25	1.77	0.77	-0.32	1.11	-0.11	-0.97	0.72	-0.42	-1.16	0.84	-0.10	-0.92
26	2.11	1.05	0.06	1.14	-0.07	-1.03	1.03	-0.10	-1.20	0.62	-0.26	-1.00
27	2.02	0.89	0.04	1.16	-0.11	-0.97	2.00	0.89	0.01	1.23	0.37	-0.43
28	1.54	0.31	-0.55	0.38	-0.67	-1.43	1.25	0.31	-0.51	1.76	e1.0	0.26
29	1.32	0.12	-0.78	0.76	-0.30	-1.06	1.24	---	-0.49	1.52	0.71	-0.25
30	1.02	-0.04	-0.85	0.38	-0.48	-1.15	0.73	0.04	-0.65	1.15	0.09	-1.19
31	0.95	-0.06	-0.84	---	---	---	1.34	0.24	-0.81	-0.15	-0.81	-1.30
Max	2.11	1.20	0.37	2.49	1.52	0.04	2.77	1.47	0.51	1.81	1.00	0.26
Min	0.69	-0.11	-0.85	0.17	-0.69	-1.43	-0.39	-1.08	-1.92	-0.24	-0.98	-1.64

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	February				March				April			
1	---	---	---	0.64	-0.18	-0.58	0.45	-0.37	-0.94	1.01	0.25	-0.56
2	---	---	-1.03	-0.07	-0.78	-1.29	0.13	-0.62	-1.27	1.40	0.42	-0.38
3	0.01	-0.83	-1.56	0.15	-0.64	-1.45	0.14	-0.71	-1.42	1.93	0.78	-0.12
4	0.50	-0.41	-1.41	0.50	-0.38	-1.10	0.81	-0.29	-1.32	1.79	0.88	-0.12
5	1.01	-0.02	-1.01	---	---	-0.97	1.32	0.20	-0.70	1.69	0.56	-0.45
6	1.18	0.14	-0.79	0.95	-0.03	-0.82	1.27	0.49	-0.55	1.15	0.45	-0.54
7	1.50	0.44	-0.52	1.37	0.16	-0.82	1.99	0.96	-0.04	1.66	0.43	-0.48
8	1.66	0.55	-0.38	1.53	e0.6	-0.31	2.21	0.94	-0.16	1.69	0.47	-0.44
9	1.27	0.35	-0.47	-0.08	-0.53	-1.64	1.68	0.44	-0.53	1.48	0.73	-0.33
10	1.45	0.36	-0.49	-0.12	-0.97	-1.76	1.46	0.25	-0.66	2.25	1.13	0.15
11	-0.04	-1.09	-1.91	0.44	-0.42	-1.19	1.25	0.22	-0.56	1.81	1.04	0.20
12	-0.63	-1.28	-1.92	1.05	0.12	-0.79	1.44	0.43	-0.32	2.95	2.00	1.34
13	0.73	---	---	0.82	-0.09	-0.79	1.42	0.47	-0.24	2.86	1.82	0.92
14	---	---	-0.83	1.31	0.27	-0.49	1.32	0.33	-0.40	1.77	0.99	0.12
15	0.78	-0.29	-0.77	1.56	0.61	-0.12	0.96	0.05	-0.70	1.50	0.75	0.00
16	0.52	-0.46	-1.30	1.88	1.02	0.42	0.74	-0.08	-0.83	1.96	0.78	-0.01
17	0.86	-0.15	-1.20	1.36	0.41	-0.38	1.05	0.11	-0.68	1.58	0.88	0.06
18	1.28	0.24	-0.87	1.45	0.57	-0.46	1.18	0.33	-0.47	1.78	0.69	-0.13
19	1.07	-0.07	-0.89	1.91	1.00	-0.07	1.22	0.26	-0.55	1.26	0.56	-0.30
20	0.41	-0.58	-1.30	2.04	1.02	0.07	1.44	0.33	-0.45	0.58	0.29	-0.42
21	0.46	-0.52	-1.29	0.46	-0.31	-1.29	1.08	0.49	-0.34	1.63	0.53	-0.27
22	1.14	-0.11	-1.12	-0.03	-0.73	-1.50	1.39	0.27	-0.56	1.53	0.42	-0.35
23	1.27	0.35	-0.41	0.54	-0.25	-1.00	1.15	0.06	-0.75	1.25	0.13	-0.59
24	1.11	0.17	-0.66	0.66	-0.21	-0.99	1.05	-0.01	-0.81	1.17	0.20	-0.50
25	0.84	-0.13	-0.90	0.66	-0.13	-0.83	0.99	0.08	-0.57	1.24	0.19	-0.55
26	0.60	0.05	-0.71	0.90	-0.20	-1.03	1.10	0.40	-0.35	1.05	0.06	-0.57
27	1.32	0.31	-0.60	0.51	-0.31	-0.90	1.47	0.57	-0.10	0.74	-0.09	-0.72
28	0.63	-0.46	-1.43	0.78	0.00	-0.52	1.32	0.67	-0.04	0.77	-0.03	-0.69
29	-0.06	-0.62	-1.07	0.80	-0.15	-0.89	1.63	0.73	0.20	0.56	-0.14	-0.87
30	---	---	---	0.50	-0.41	-1.17	1.20	0.38	-0.37	0.56	-0.25	-1.03
31	---	---	---	0.34	-0.39	-0.90	---	---	---	1.04	0.04	-0.81
Max	1.66	0.55	-0.38	2.04	1.02	0.42	2.21	0.96	0.20	2.95	2.00	1.34
Min	-0.63	-1.28	-1.92	-0.12	-0.97	-1.76	0.13	-0.71	-1.42	0.56	-0.25	-1.03

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	June			July			August			September		
1	1.30	0.18	-0.65	1.49	0.31	-0.67	1.73	0.61	-0.29	1.19	0.31	-0.47
2	1.38	0.20	-0.76	1.39	0.26	-0.69	1.33	0.64	-0.29	1.22	0.35	-0.48
3	1.40	0.15	-0.84	1.27	0.13	-0.74	1.73	0.65	-0.22	1.57	0.63	-0.19
4	0.98	0.38	-0.47	0.79	0.19	-0.62	1.45	0.45	-0.35	1.21	0.43	-0.34
5	1.76	0.45	-0.54	1.46	0.36	-0.48	1.24	0.41	-0.40	0.94	0.15	-0.56
6	1.49	0.28	-0.62	1.44	0.37	-0.43	1.34	0.54	-0.26	1.44	0.58	-0.38
7	1.39	0.22	-0.62	1.27	0.29	-0.48	1.34	0.57	-0.21	0.88	0.12	-0.52
8	1.15	0.17	-0.58	1.02	0.17	-0.56	1.42	0.58	-0.21	0.78	-0.11	-0.70
9	1.10	0.24	-0.47	0.74	0.08	-0.67	1.15	0.37	-0.37	1.02	0.11	-0.57
10	1.05	0.28	-0.48	0.84	0.10	-0.61	1.35	0.33	-0.46	1.06	0.16	-0.48
11	1.07	0.29	-0.48	0.87	0.09	-0.62	1.24	0.41	-0.28	0.93	0.05	-0.62
12	0.70	0.03	-0.73	0.82	0.04	-0.66	1.18	0.27	-0.44	1.06	0.06	-0.66
13	0.66	-0.11	-0.84	1.10	0.11	-0.61	1.22	0.19	-0.52	1.19	0.23	-0.53
14	1.01	0.00	-0.69	1.12	0.25	-0.47	1.54	0.34	-0.42	1.49	0.42	-0.42
15	1.41	0.38	-0.34	1.09	0.15	-0.56	1.55	0.48	-0.28	1.29	0.44	-0.43
16	1.38	0.47	-0.29	1.14	0.11	-0.60	1.28	0.35	-0.50	1.30	0.36	-0.49
17	1.49	0.51	-0.18	1.17	0.09	-0.67	1.26	0.24	-0.55	1.42	0.43	-0.43
18	1.52	0.49	-0.22	1.10	0.10	-0.68	0.79	0.15	-0.67	1.46	0.44	-0.45
19	0.93	0.48	-0.31	0.52	0.03	-0.73	1.14	0.25	-0.48	1.90	0.78	-0.29
20	1.51	0.34	-0.45	1.00	0.06	-0.68	1.18	0.31	-0.49	1.72	0.81	-0.06
21	1.32	0.26	-0.48	1.11	0.25	-0.45	0.95	0.11	-0.65	1.35	0.45	-0.38
22	1.19	0.18	-0.53	1.24	0.35	-0.42	0.95	0.08	-0.70	1.30	0.31	-0.56
23	1.21	0.29	-0.42	1.15	0.31	-0.42	0.97	0.04	-0.76	1.58	0.68	-0.19
24	1.21	0.25	-0.50	1.08	---	---	1.00	0.08	-0.71	1.65	0.71	-0.10
25	0.88	0.00	-0.69	0.89	0.18	-0.58	1.17	0.17	-0.64	2.21	1.10	0.08
26	0.85	0.05	-0.72	0.89	0.06	-0.74	1.34	0.31	-0.49	2.33	1.56	0.64
27	1.15	0.28	-0.49	1.24	0.02	-0.62	1.44	0.35	-0.49	1.78	0.98	0.09
28	1.26	0.38	-0.46	1.38	---	-0.52	1.55	0.43	-0.43	1.79	0.95	0.14
29	1.39	0.36	-0.50	1.33	0.27	-0.62	1.68	0.60	-0.26	1.81	0.89	0.11
30	1.43	0.36	-0.54	1.50	0.26	-0.63	1.44	0.60	-0.29	1.65	0.70	-0.18
31	---	---	---	1.72	0.51	-0.36	1.26	0.42	-0.42	---	---	---
Max	1.76	0.51	-0.18	1.72	0.51	-0.36	1.73	0.65	-0.21	2.33	1.56	0.64
Min	0.66	-0.11	-0.84	0.52	0.02	-0.74	0.79	0.04	-0.76	0.78	-0.11	-0.70

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued